

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Jung Pill Kim et al.

Serial No.: 10/681,647

Confirmation No.: 6096

Filed: October 8, 2003

For: **VOLTAGE TRIMMING CIRCUIT**

~~~~~

Group Art Unit: 2816

**Examiner: Hiep Nguyen**

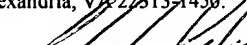
Customer No.: 046798

**Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**CERTIFICATE OF MAILING**  
**37 CFR 1.8**

I hereby certify that this correspondence is being deposited on March 16, 2005 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 16, 2005  
Date

  
Signature

**Dear Sir:**

## INFORMATION DISCLOSURE STATEMENT

The Applicant(s) and the Attorney who signs below, on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

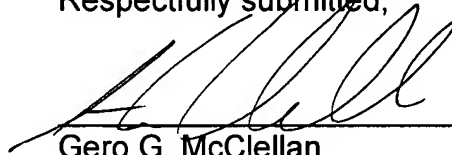
In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Applicants certify that all references submitted with this disclosure were first cited in a communication, which is enclosed, from a foreign patent office dated January 4, 2005, which is not more than three months prior to the filing of this Disclosure Statement.

Applicants believe that no fee is due for this submission. However, if the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/INFN/SZ0018/GGM.

Respectfully submitted,



Gero G. McClellan  
Registration No. 44,227  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicant(s)

Please type a plus sign (+) inside this box →



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

Application Number

10/681,647

Filing Date

October 8, 2003

First Named Inventor

Jung Pill Kim

Group Art Unit

2816

Examiner Name

Hiep Nguyen

Attorney Docket Number

INFN/SZ0018

Submission Date

March 16, 2005

## **U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                    | A1                    | US-2001/0017567 A1                       | 08-30-2001                     | Kawakubo                                           |                                                                                 |
|                    | A2                    | US-2001/0054760 A1                       | 12-27-2001                     | Ito et al.                                         |                                                                                 |
|                    | A3                    | US-6,496,027 B1                          | 12-17-2002                     | Sher et al.                                        |                                                                                 |
|                    | A4                    | US-6,455,952 B1                          | 09-24-2002                     | Wang                                               |                                                                                 |
|                    | A5                    | US-6,255,895 B1                          | 07-03-2001                     | Kim et al.                                         |                                                                                 |
|                    | A6                    | US-5,838,076                             | 11-17-1998                     | Zarrabian et al.                                   |                                                                                 |
|                    | A7                    | US-2001/0013769 A1                       | 08-16-2001                     | Saito                                              |                                                                                 |
|                    | A8                    | US-5,675,280                             | 10-07-1997                     | Nomura et al.                                      |                                                                                 |
|                    | A9                    | US-                                      |                                |                                                    |                                                                                 |
|                    | A10                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A11                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A12                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A13                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A14                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A15                   | US-                                      |                                |                                                    |                                                                                 |

## **FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document                  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |                |
|                    | B1                    | JP 3062734                               | 03-18-1991                     | NEC CORP                                           |                                                                                 |                |
|                    | B2                    | JP 2002 083928 A                         | 03-22-2002                     | FUJI ELECTRIC CO LTD                               |                                                                                 |                |
|                    | B3                    | EP 0 701 259 A                           | 03-13-1996                     | SAMSUNG ELECTRONICS<br>CO., LTD.                   |                                                                                 |                |
|                    | B4                    |                                          |                                |                                                    |                                                                                 |                |
|                    | B5                    |                                          |                                |                                                    |                                                                                 |                |

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box → +

MAR 21 2005

PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/681,647      |
| Filing Date            | October 8, 2003 |
| First Named Inventor   | Jung Pill Kim   |
| Group Art Unit         | 2816            |
| Examiner Name          | Hiep Nguyen     |
| Attorney Docket Number | INFN/SZ0018     |
| Submission Date        | March 16, 2005  |

Sheet 2 of 2

### NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|--------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                    | C1                    | PCT International Search Report dated January 4, 2005.                                                                                                                                                                                                         |                |
|                    | C2                    | PCT Written Opinion dated January 4, 2005.                                                                                                                                                                                                                     |                |
|                    | C3                    | R. TORRES-TORRES, R.S. MURPHY-ARTEAGA and S. DECOUTERE, <i>MOSFET Gate Resistance Determination</i> , Electronic Letters, 23 <sup>rd</sup> January 2003, Vol. 39, No. 2, pp. 248-250, IEE STEVENAGE, GB.                                                       |                |
|                    | C4                    | A. ORTIZ-CONDE et al., <i>Series Resistance and Effective Channel Length Extraction of n-channel MOSFET at 77 K</i> , Electronic Letters, 14 <sup>th</sup> April 1994, Vol. 30, No. 8, pp. 670-672, IEE STEVENAGE, GB.                                         |                |
|                    | C5                    |                                                                                                                                                                                                                                                                |                |
|                    | C6                    |                                                                                                                                                                                                                                                                |                |
|                    | C7                    |                                                                                                                                                                                                                                                                |                |
|                    | C8                    |                                                                                                                                                                                                                                                                |                |
|                    | C9                    |                                                                                                                                                                                                                                                                |                |
|                    | C10                   |                                                                                                                                                                                                                                                                |                |

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.